

ABSTRACT

A recording medium, an apparatus and a method for recording time information of digital data streams are provided. The apparatus includes a clock generator to generate a clock; a counter to count the clock generated by the clock generator such that a smaller-unit time field is reset when the count value of the smaller-unit time field reaches a predetermined value and a bigger-unit time field is incremented by 1 when the smaller-unit time field is reset; and a data formatter to create data object units by adding the count values of the bigger-unit time field and the smaller-unit time field of the counter at the time each unit of a digital data stream is received, to the corresponding unit of the digital data stream.